

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application. Please cancel claim 27, without prejudice or disclaimer, and amend claims 11 and 19, as follows:

1-10. (Cancelled).

11. (Currently Amended) An electrical connector comprising:
a terminal set essentially consisting of a plus signal terminal, a minus signal terminal, a first ground terminal, and a second ground terminal, each of the terminals including an electrical contact portion configured to electrically connect to a respective terminal of another electrical connector; and

a connector housing accommodating the terminal set,
wherein substantially entire portion of the terminals including the electrical contact portions are disposed inside the connector housing, and

wherein each of the plus signal terminal, the minus signal terminal, the first ground terminal, and the second ground terminal has a cylindrical barrel made of electrically conductive metal.

12. (Previously Presented) The connector according to claim 11, wherein the terminals are arranged in a quadrangle with each of the terminals positioned at each corner of the quadrangle.

13. (Previously Presented) The connector according to claim 11, further comprising one or more terminal sets.

14. (Previously Presented) The connector according to claim 13, wherein the plus signal terminals and the minus signal terminals are positioned in a row, and the first ground terminal and the second ground terminal are positioned in another row.

15. (Previously Presented) The connector according to claim 13, wherein the plus and minus signal terminals of one of the terminal sets are positioned in a row with the first and second ground terminals of another terminal set.

16. (Previously Presented) The connector according to claim 11, wherein a distance between the plus signal terminal and the first ground terminal is shorter than a distance between the minus signal terminal and the first ground terminal, while a distance between the minus signal terminal and the second ground terminal is shorter than a distance between the plus signal terminal and the second ground terminal.

17. (Previously Presented) The connector according to claim 11, wherein the terminals are arranged in a row.

18. (Previously Presented) The connector according to claim 17, wherein the terminals are arranged sequentially in order of the first ground terminal, the plus signal terminal, the minus signal terminal, and the second ground terminal in the row.

19. (Currently Amended) An electrical connector comprising:

a terminal set essentially consisting of a plus signal terminal, a minus signal terminal, a first ground terminal, and a second ground terminal, each of the terminals including an electrical contact portion configured to electrically connect to a respective terminal of another electrical connector; and

a connector housing accommodating the terminal set,

wherein substantially entire portion of the terminals including the electrical contact portions are disposed inside the connector housing, and

wherein the electrical contact portion is positioned at one end of the respective terminal, and the other end of the respective terminal includes another electrical contact portion configured to electrically connect to a circuit arranged in a printed circuit board, and

wherein each of the plus signal terminal, the minus signal terminal, the first ground terminal, and the second ground terminal has a cylindrical barrel made of electrically conductive metal.

20. (Previously Presented) The connector according to claim 19, further comprising a retainer body disposed in the connector housing for retaining the terminals, an intermediate portion of each of the terminals between the two electrical contact portions being embedded in the retainer body.

21. (Previously Presented) The connector according to claim 20, wherein the retainer body comprises an insulating synthetic resin material.

22. (Previously Presented) The connector according to claim 11, wherein the first and second ground terminals are connected to a common earth line of an associated cable.

23. (Previously Presented) The connector according to claim 11, wherein the connector housing comprises a connecting member configured to connect to another electrical connector.

24. (Previously Presented) The connector according to claim 11, further comprising an inner housing configured to accommodate the terminal set, wherein the inner housing is removably disposed inside the connector housing.

25. (Previously Presented) The connector according to claim 11, wherein the plus signal terminal is electrically connected to a plus signal wire, the minus signal terminal is electrically connected to a minus signal wire, and both the first and second ground terminals are electrically connected to a ground wire.

26. (Previously Presented) The connector according to claim 11, wherein the plus and minus signal terminals are used for transmission of high-speed differential signals.

27. (Canceled).